

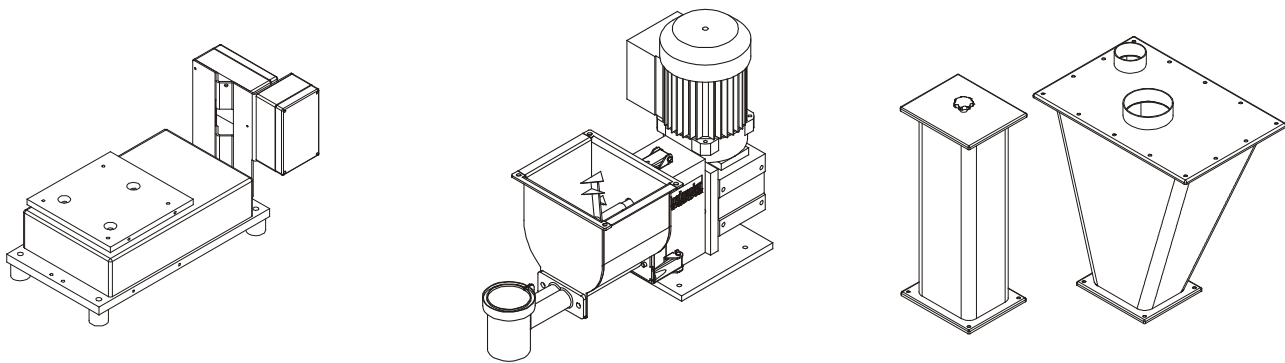


## Technical Data

### Available screw sizes and feed rates

Screw Type	Ø (mm) x p (mm)	Tube designation	Tube dia. (mm)	Speed (rpm)	Max. feed rate (dm <sup>3</sup> /hr)*	Max. feed rate (ft <sup>3</sup> /hr)*
<b>Double Spiral Screw (SS)</b>	SS 13/10	200	24.0 x 2.0	485 (240) [85] / 100Hz	60 ( 30) [11]	2.12 (1.05) [0.37]
	SS 13/10	223	26.9 x 2.3	485 (240) [85] / 100Hz	125 ( 62) [22]	4.42 (2.19) [0.77]
	SS 13/15	200	24.0 x 2.0	485 (240) [85] / 100Hz	98 ( 48) [17]	3.45 (1.71) [0.60]
	SS 13/15	223	26.9 x 2.3	485 (240) [85] / 100Hz	195 ( 97) [34]	6.90 (3.41) [1.21]
<b>Twin Spiral Screw (TS)</b>	TS 18/13	200	24.0 x 2.0	485 (240) [85] / 100Hz	150 ( 74) [26]	5.29 (2.62) [0.93]
	TS 18/13	223	26.9 x 2.3	485 (240) [85] / 100Hz	199 ( 98) [35]	7.01 (3.47) [1.23]
	TS 18/19	200	24.0 x 2.0	485 (240) [85] / 100Hz	237 (117) [41]	8.36 (4.14) [1.47]
	TS 18/19	223	26.9 x 2.3	485 (240) [85] / 100Hz	308 (152) [54]	10.88 (5.38) [1.91]
	TS 18/29	200	24.0 x 2.0	485 (240) [85] / 100Hz	380 (188) [67]	13.43 (6.65) [2.35]
	TS 18/29	223	26.9 x 2.3	485 (240) [85] / 100Hz	489 (242) [86]	17.27 (8.55) [3.03]
<b>Twin Concave Screw (TC)</b>	TC 20/12	200	24.0 x 2.0	485 (240) [85] / 100Hz	35 ( 17) [ 6]	1.23 (0.61) [0.22]
	TC 20/11	223	26.9 x 2.3	485 (240) [85] / 100Hz	67 ( 33) [12]	2.38 (1.18) [0.42]
	TC 20/20	223	26.9 x 2.3	485 (240) [85] / 100Hz	139 ( 69) [24]	4.98 (2.43) [0.86]

\* Theoretical values at 100% screw filling level and motor speed. Depending on the flow characteristics the screw filling level may decrease to 50%. In addition, max. speed should be reduced to allow for bulk density variations. Values in brackets refer to optional motors 240 rpm/100 Hz and 85 rpm/100 Hz.



#### Mounting Base / Scale MS2(3)

- Free-standing mounting base with vibration isolation feet and junction boxes
- High-accuracy strain gauge load cell
- Approx. net weighing ranges:
  - 11 kg/24 lb (MS2) or 31 kg/68 lb (MS3) (5 dm<sup>3</sup>/0.18 ft<sup>3</sup> extension hopper)
  - 9 kg/20 lb (MS2) or 29 kg/64 lb (MS3) (10 dm<sup>3</sup>/0.35 ft<sup>3</sup> extension hopper)
  - 5 kg/11 lb (MS2) or 25 kg/55 lb (MS3) (20 dm<sup>3</sup>/0.71 ft<sup>3</sup> extension hopper)

#### Twin Screw Feeder DDSR20

- Stainless steel housing
- Exchangeable twin screw
- Variable frequency driven 3 phase AC gear motor (0.18 kW, 230/400 V, IP65, TEFC), screw speed 485 rpm/100 Hz (optional 240 rpm/100 Hz, 85 rpm/100 Hz)
- Horizontal stirring agitator in the screw trough (driven from screw drive)
- Ingredient contact surfaces are stainless steel SS 1.4301 (304)

#### Extension Hoppers

- Extension hoppers
  - 5 dm<sup>3</sup> (0.18 ft<sup>3</sup>), straight walled
  - 10 dm<sup>3</sup> (0.35 ft<sup>3</sup>), straight walled
  - 20 dm<sup>3</sup> (0.71 ft<sup>3</sup>), steep sided
- Cover with inlet pipe and vent pipe for automatic refill, or
- Lift off cover with handle for manual refill
- Stainless steel SS 1.4301 (304)

#### Accessories

- Flexible connections
- Exchange twin screws
- Exchange screw tubes
- Safety grate for manual refill

#### Options

- Version without discharge connection pipe
- Screw tube without vertical downspout
- Pressure compensation
- Explosion-proof designs

#### Controls

Feeder control and speed modules are offered either mounted on the feeder or for mounting in a separate panel. Controls can communicate directly to most host/PLC systems or to Brabender Congrav<sup>®</sup> Operator Interfaces (see Congrav<sup>®</sup> Works Standards)



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